

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE RECONSTRUCTION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 25 (FALLS RD.) AND LAKE AVENUE IN BALTIMORE COUNTY. MD 25 (FALLS RD.) IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

AN EIGHT-PHASE, FULLY ACTUATED NEMA CONTROLLER WITH VIDEO DETECTION INTERFACE EQUIPMENT, INTERSECTION MONITOR AND BATTERY BACKUP FOR PHONE DROP, AND ONE 4-CHANNEL TIME-DELAY-OUTPUT LOOP DETECTOR AMPLIFIER HOUSED IN A BASE MOUNTED CABINET WILL BE INTALLED AT THIS INTERSECTION. THE CONTROLLER WILL OPERATE AS A FIVE-PHASE, FULL-TRAFFIC-ACTUATED CONTROLLER WITH AN EXCLUSIVE-PERMISSIVE LEFT TURN PHASE FOR SOUTHBOUND MD 25 AND AN ALTERNATE PEDESTRIAN PHASE ACROSS THE SOUTH LEG OF MD 25.

SPECIAL NOTE

UPON COMPLETION OF THIS PROJECT THE CONTRACTOR SHALL NOTIFY MR. ROBERT SNYDER OF THE SHA AT (410) 787-7635 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR IS TO PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND PHONE NUMBER.

PHASING CHART

	1	2	3	4	5	6	7	8	9	10	11
	R	R	G	G	R	R	R	R	R	DW	DW
PHASE 2 & 5	R	R	G	G	R	R	R	R	R	DW	DW
2 & 5 CHANGE	R	R	G	G	R	R	R	R	R	DW	DW
PHASE 2 & 6	G	G	G	G	R	R	R	R	R	DW	DW
2 & 6 CHANGE	Y	Y	Y	Y	R	R	R	R	R	DW	DW
PHASE 4 & 8	R	R	R	R	R	G	G	G	G	DW	DW
4 & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW
PHASE 4 ALT. & 8	R	R	R	R	R	G	G	G	G	WK	WK
PED CLEAR	R	R	R	R	R	G	G	G	G	FL/DW	FL/DW
4 ALT. & 8 CHANGE	R	R	R	R	R	Y	Y	Y	Y	DW	DW
FLASHING OPERATION	FLY	FLY	FLY	FLY	FLY	FL/R	FL/R	FL/R	FL/R	DARK	DARK

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY MSHA AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
9016	1 EA	4-CHANNEL DETECTOR AMPLIFIER
9042	1 EA	CONTROLLER ASC II WITH TELEMETRY
9571	44 SF	SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN
	22 SF	R10-12 SIGN (36" X 42")
	22 SF	D3-2 SIGN "Lake AVE" (VAR. X 16")
9044	1 EA	CABINET INTERSECTION MONITOR, SIZE 6 AND BATTERY BACKUP
NOTE: EQUIPMENT LISTED BELOW TO BE FURNISHED AND INSTALLED BY MSHA.		
9086	1 EA	VIDEO DETECTION INTERFACE EQUIPMENT: 1-4 CAMERAS

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. RANDALL SCOTT ASSISTANT DISTRICT ENGINEER - TRAFFIC (410) 321-2781	MR. STEVE MARCISZEWSKI ASSISTANT DISTRICT ENGINEER - MAINTENANCE (410) 321-2761
MS. SUENETTE POPE ASSISTANT DISTRICT ENGINEER - UTILITIES (410) 321-2841	
CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY	
MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630	MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676
MR. ROBERT SNYDER ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS (410) 787-7631	MS. DARLENE EIDE SUPPLY OFFICE SIGNAL SHOP WAREHOUSE (410) 787-7668
MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS (410) 787-7652	

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	3 EA	MAINTENANCE OF TRAFFIC
2002	4 CY	TEST PIT EXCAVATION
8001	13 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
8002	4 EA	FURNISH AND INSTALL 12 IN. PEDESTRIAN SIGNAL HEAD SECTION
8008	4 EA	FURNISH AND INSTALL 200 FT. VIDEO CABLE TO CONTROLLER
8019	LS	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8029	260 LF	FURNISH AND INSTALL NO. 6 AWG STRANDED BARE COPPER WIRE
8030	30 LF	FURNISH AND INSTALL 1 IN. GALVANIZED RISER
8037	280 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
8038	20 LF	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
8039	25 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID ELECTRICAL PVC CONDUIT - TRENCHED
8043	10 LF	FURNISH AND INSTALL 1 IN. LIQUID TIGHT, FLEXIBLE, NON-METALLIC CONDUIT FOR DETECTOR SLEEVE
8045	1 EA	FURNISH AND INSTALL ELECTRICAL SERVICE EQUIPMENT 240 VOLTS 60 AMPS
8046	50 LF	FURNISH AND INSTALL ELECTRICAL CABLE 1-CONDUCTOR NO.4 AWG
8048	1 EA	FURNISH AND INSTALL MICRO-LOOP PROBE SET WITH 500 FT. LEAD-IN
8052	2 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8055	44 SF	INSTALL OVERHEAD SIGN
8056	4 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
8060	1 EA	FURNISH AND INSTALL STEEL POLE WITH TWIN 50 FT./50 FT. MAST ARMS
8061	1 EA	FURNISH AND INSTALL STEEL POLE WITH 38 FT. MAST ARM
8062	1 EA	FURNISH AND INSTALL STEEL POLE WITH 50 FT. MAST ARM
8073	4 EA	FURNISH AND INSTALL GROUND ROD 3/4 IN. DIAMETER X 10 FT. LENGTH
8074	3 EA	FURNISH AND INSTALL 8 IN. VEHICULAR SIGNAL HEAD SECTION
8075	33 EA	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION
8078	2 EA	CLEAN, CUT AND GALVANIZE TRAFFIC SIGNAL STRUCTURE
8081	270 LF	FURNISH AND INSTALL ELECTRICAL CABLE 2-CONDUCTOR NO. 14 AWG
8082	270 LF	FURNISH AND INSTALL ELECTRICAL CABLE 3-CONDUCTOR NO. 14 AWG
8083	90 LF	FURNISH AND INSTALL ELECTRICAL CABLE 5-CONDUCTOR NO. 14 AWG
8084	750 LF	FURNISH AND INSTALL ELECTRICAL CABLE 7-CONDUCTOR NO. 14 AWG
8087	325 LF	FURNISH AND INSTALL SAW CUT FOR LOOP DETECTOR
8088	2 EA	FURNISH AND INSTALL PEDESTRIAN PUSHBUTTON AND SIGN
8089	1 EA	FURNISH AND INSTALL 15 FT. STREET LIGHTING ARM FOR SIGNAL POLE
8094	1 EA	INSTALL CONTROLLER AND CABINET BASE MOUNT

EQUIPMENT LIST "C"

C. SHA FORCES SHALL REMOVE CONTROLLER AND ALL AUXILLARY EQUIPMENT. CABINET AND ALL OTHER MATERIAL TO BE REMOVED BY THE CONTRACTOR AND SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

ITEM NO.	QUANTITY	DESCRIPTION
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MD 25 (FALLS ROAD) AND LAKE AVENUE

DRAWN BY: M.HOWELL	F.A.P. NO. AT3575185	TS NO. 4204B-G1	SHEET NO. 2 OF 2
CHECKED BY: T.ZAYDEL	S.H.A. NO. BALTIMORE	T.I.M.S. NO. F160	
SCALE: NONE	LOG MILE: 03002500.08		
DATE: 1-13-04			

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